

WHAT IS CLAIMED IS:

1. A keyboard module comprising:

a carrier device;

a keyboard for entering text message, the keyboard being mounted on

5 the carrier device and including a plurality of keys; and

a navigator button mounted on the carrier device and located within the keys of the keyboard.

2. The keyboard module as claimed in claim 1, wherein the navigator button comprises at least a direction button and the direction button has a
10 profile higher than that of the keys of the keyboard.

3. The keyboard module as claimed in claim 1, wherein the navigator button has a cross-shaped configuration with four direction buttons and an action button, the direction buttons being located at four extremities of the navigator button, respectively, and the action button being located at a center
15 of the navigator button.

4. The keyboard module as claimed in claim 3, wherein the keys of the keyboard have four keys each being located between two neighboring direction buttons.

5. The keyboard module as claimed in claim 4, wherein the carrier
20 device is a printed circuit board.

6. The keyboard module as claimed in claim 5, wherein the direction buttons are integrally connected together.

The keyboard module as claimed in claim 5, wherein the direction

buttons are separated from each other.

8. The keyboard module as claimed in claim 6 further comprising a plurality of application buttons located within the keys of the keyboard.

5 9. The keyboard module as claimed in claim 6 further comprising a plurality of application buttons located outside and at a top of the keys of the keyboard.

10. The keyboard module as claimed in claim 9, wherein the direction buttons have a profile higher than that of the keys of the keyboard.

10 11. The keyboard module as claimed in claim 7 further comprising a plurality of application buttons located within the keys of the keyboard.

12. The keyboard module as claimed in claim 7 further comprising a plurality of application buttons located outside and at a top of the keys of the keyboard.

15 13. The keyboard module as claimed in claim 1, wherein the keyboard for entering text message is a Qwerty keyboard.

14. A handheld electronic device comprising:

a housing;

20 a display located at an upper portion of the housing and a keyboard module located at a lower portion of the housing, the keyboard module comprising a Qwerty keyboard and a navigator button located within the Qwerty keyboard.

15. The handheld electronic apparatus as claimed in claim 14, wherein the navigator button has a cross-shaped configuration with four direction buttons at four extremities of the navigator button.

16. The handheld electronic apparatus as claimed in claim 14 further comprising application buttons located within the Qwerty keyboard.

17. The handheld electronic apparatus as claimed in claim 15, wherein the direction buttons are integrally connected together.

5 18. The handheld electronic apparatus as claimed in claim 15, wherein the direction buttons are separated from each other.

19. The handheld electronic apparatus as claimed in claim 14 further comprising application buttons located between the Qwerty keyboard and the display.

10 20. The handheld electronic apparatus as claimed in claim 19, wherein the direction buttons are integrally connected together.

21. The handheld electronic apparatus as claimed in claim 19, wherein the direction buttons are separated from each other.

15 22. The handheld electronic apparatus as claimed in claim 14, wherein the navigator button has a profile higher than that of keys the Qwerty keyboard.

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